DAM
Nube4 Digital Asset Management

Digital asset management, dedicated and managed by Nube4

Your organization's library of photos, videos, audio and documents, with their metadata, permissions, usage licenses and releases. An exclusive installation for each customer, on its own domain, with AI that runs inside the server and the interface in English and Spanish.

From 10 TB	213 ms	80+ formats	Local AI
of dedicated storage, with unlimited users and no download fees	p95 for a search with permissions and 8 filters, across 1 million assets	with previews; any other file is stored just the same	meaning, text and speech without anything leaving the server

SERVICE MODEL

Service type	Digital asset management (DAM) dedicated to a single customer and managed by Nube4.
Isolation	Exclusive installation per customer: its own server, database, search index, AI service and disk. Never shared with other customers.
Management	Nube4 installs, updates, backs up and monitors the installation. Updates are built and tested at Nube4 before they are applied.
Capacity and users	From 10 TB of dedicated storage, expandable on the same installation. Unlimited users, groups, collections, links and downloads.
Domain	The customer's own, with a TLS certificate issued and renewed automatically. Only ports 80 and 443 face the Internet.
Languages	English and Spanish throughout: interface, emails, public link pages, error messages and user manual. Each person picks their own.
Commercial model	Fixed price per installation and capacity. No charges per user, per download, per link or for AI usage.

INGEST AND FORMATS

Upload	Chunked and resumable: after a network drop or a reload, only what was missing is sent. Whole folders by drag and drop. Files up to 200 GB (adjustable per installation).
Integrity	SHA-256 fingerprint for every file; exact duplicates are flagged or rejected depending on the group. The original is stored byte for byte and never overwritten.
Previews	– **Image:** JPEG, PNG, GIF, WebP, TIFF, HEIC, AVIF, PSD, SVG, JPEG 2000, JPEG XL and more, in sRGB. – **Camera RAW:** 22 formats (CR2, CR3, NEF, ARW, DNG, RAF, ORF…). – **PDF, Illustrator and EPS; Office and OpenDocument** converted to PDF. Up to 50 pages as images and the full text in search. – **Video** (MP4, MOV, MKV, MXF, ProRes, WebM…): 720p browser copy, poster and a 10-frame strip. – **Audio** (MP3, WAV, FLAC, AAC…): browser copy and waveform.

Embedded metadata	EXIF, IPTC and XMP from any format, read with ExifTool and stored as is. They fill mapped fields without ever overwriting a value a person wrote.
Versions	Upload a new version, compare it and roll back to an earlier one. Replace by file name. Alternative files per asset.
Outside deliveries	Upload links for agencies and photographers; what arrives stays pending review until someone approves it.

METADATA AND SEARCH

Schema	Resource types and 14 configurable field types: text, number, dates and ranges, lists, checkboxes, free tags, category tree (6 levels), URL and location. Required fields and fields conditional on another's value.
Editing	Editable record with change history and undo, bulk editing on a selection or on all results, and CSV import and export with preview.
Search	Full text that forgives typos and missing accents, filters with counts on any field, advanced search by field, sorting, grid, list and mosaic views, and saved searches that notify you of new assets.
Measured performance	With 1 million assets: p95 of 213 ms with permissions and 8 filters, and 189 ms with typos. Full reindex in about 5 minutes, in the background and with no downtime.
Permissions in search	The permission filter is part of every query: neither the results nor the filter counts reveal what the user cannot see.

LOCAL ARTIFICIAL INTELLIGENCE

Features	– Search by meaning (“bridge at night”) and “more like this”. – Visual duplicates: cropped or resized copies that the file fingerprint cannot catch. – Text recognition (OCR) in English and Spanish, added to search. – Audio and video transcription with jump-to-time and VTT subtitles. – Tags suggested from your own vocabulary, which a person accepts or rejects.
Models	CLIP ViT-B-32, Tesseract and faster-whisper, shipped inside the service image. No third-party keys and no per-use fees.
Privacy	A separate service, on an internal network with no Internet access and with the disk mounted read-only: it only reads previews, never the originals.
Measured performance	End-to-end search by meaning in 105–120 ms. On 4 CPUs: 770–940 images per minute and one hour of audio transcribed in about 13 minutes.

SHARING AND COLLABORATION

Collections	With custom order, members who can view or edit, and featured collections on the home page.
Downloads	The original, or an image copy in JPEG, PNG, WebP, TIFF or PDF with size, DPI, watermark and the metadata embedded as XMP. Several at once as a ZIP, prepared in the background.
External links	To view or to upload, with password, expiry, terms of use and a log of every access. Revocable at any time.
Collaboration	Comments pinned to areas of an image and moments in a video, @mentions, and notifications in the bell and by email (right away or as a daily digest).
Workflow	Pending review, active, archived and trash states, with 30 days to recover before purging.

PERMISSIONS AND RIGHTS

Users and groups	Administration roles and groups with permissions (view, download, download original, upload, edit, delete, share, manage collections, approve access and manage rights). A group can be limited by resource type or by field values; changes take effect instantly.
Access levels	Open, restricted or confidential per asset. Restricted assets can only be downloaded with permission or with an approved, time-limited access request.
Accounts	Passwords of 12 characters or more, attempt limits and two-step verification (TOTP). A failed sign-in never reveals which accounts exist.
Usage licenses	Holder, dates, channels and territories. On expiry, the asset is blocked or archived. If a license limits use, each download declares channel and territory and the DAM checks it is covered.
Releases	Each person's signed document, with its validity; their personal data is visible only to rights managers and never goes into the audit log.
Alerts and actions	Alerts before each expiry and actions scheduled by the date in a field (archive or change the access level).

OPERATIONS AND SECURITY

File delivery	Originals have no public address. Each download uses a signed 2-minute link, issued after checking permissions, terms and rights, and is served by the web server without passing through the application.
Isolated conversion	A service with no Internet access, no shell, a time limit per file, a pixel limit and restrictive policies. Tested with XXE SVGs, “ImageTragick”, EPS files that read the disk and pixel bombs, with no leaks.
Backups	Every night, encrypted, incremental and deduplicated: database, originals and releases. 14 daily, 8 weekly and 12 monthly, with weekly verification. A full restore onto a new server has been rehearsed end to end.
Usage and audit	Usage reports by asset, user, group and collection; zero-result searches; unused assets; disk with fill-up projection and installation health. Audit log of every change, including the actions of Nube4's operator, with filters and CSV.

Information current as of November 2026. Performance figures are Nube4 measurements on its test benches and on a real installation; they depend on the server and the files. Price and capacity are confirmed in your quote.